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Date of Signature and Deposit: July 13, 2009

/Bennett J. Berson/

Bennett J. Berson, Reg. No. 37,094

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas P. Zwaka  
James A. Thomson

Date: July 13, 2009

Serial No.: 10/774,122

Group Art Unit: 1633

Filed: February 6, 2004

Examiner: Maria Marvich

Title: DIRECTED GENETIC MODIFICATIONS  
OF HUMAN STEM CELLS

Confirmation No.: 8384

File No.: 960296.99021

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**RESPONSE TO FINAL OFFICE ACTION**

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Mail Stop AF  
Commissioner for Patents  
P O Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to a final Office Action mailed March 13, 2009, please enter the following response:

**Listing of Claims** begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.